

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mication of: Kenneth J. Southwick

Application No.: 09/590,049

Filed: June 8, 2000

For: Collider Chamber Apparatus and

Method of Use of Same

Group Art Unit: 1764

Examiner: Ridley, Basia Anna

Attorney Docket No.: 106747-118 DV US CN1

CERTIFICATE OF MAILING (37 C.F.R. § 1.8 a)

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By: Susand Fernandez
Susannah Fernandez

Mail Stop AF Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

AMENDMENT and RESPONSE

Dear Sir:

In response to the final Office Action of January 29, 2004, please amend the above-identified application as follows:

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks begin on page 11 of this paper.

05/05/2004 MGEBREH1 00000018 080219 09590049

01 FC:2201 02 FC:2202 86.00 DA 243.00 DA

Approved for use through 07/31/2006. OMB 0651-00 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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DELIE	Application Number	09/590,049
I I I I I I I I I I I I I I I I I I I	Filing Date	06/08/2000
FORM	First Named Inventor	Kenneth J. Southwick
(to be used for all correspondence after initial filing)	Art Unit	1764
	Examiner Name	Basia Anna Ridley
Total Number of Pages in This Submission	Attorney Docket Number	106747 118DV US CN1

FNCLOSURES (Chack all that apply)						
	Fee Transmittal Form Fee Attached Amendment/Reply After Final Affidavits/declaration(s) Extension of Time Request Express Abandonment Request	Drawing(s) Licensing-related Papers Petition Petition to Convert to a Provisional Application Power of Attorney, Revocation Change of Correspondence Address Terminal Disclaimer Request for Refund After Allowance communication to Group (Appeal Communication to Board of Appeals and Interferences Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) Proprietary Information Status Letter Other Enclosure(s) (please Identify below): - Postcard				
	Information Disclosure Statement Certified Copy of Priority Document(s) Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53	CD, Number of CD(s) Remarks				
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT						
Firm or Individ						
Signat	gnature Panul P. Laudt					
Date	4/29/2004					

CERTIFICATE OF TRANSMISSION/MAILING I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to. Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. Typed or printed name Susie Fernandez Date

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PTO/SB/17 (10-03)
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E TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT 329 ..00

Complete if Known		
Application Number	09/590,049	
Filing Date	06/08/2000	
First Named Inventor	Kenneth J. Southwick	
Examiner Name	Basia Anna Ridley	
Art Unit	1764	
Attorney Docket No.	106747.118DV US CN1	\neg

METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)			
Check Credit card Money Other None 3. ADDITIONAL FEES				
Deposit Account:	Large Entity Small Entity			
Deposit	Fee Fee Fee Fee Fee Description Code (\$) Fee Paid			
Account Number 08-0219	1051 130 2051 65 Surcharge - late filing fee or oath			
Deposit Hale and Dorr LLP	1052 50 2052 25 Surcharge - late provisional filing fee or cover sheet			
Name	1053 130 1053 130 Non-English specification			
Charge fee(s) indicated below Credit any overpayments	1812 2,520 1812 2,520 For filing a request for ex parte reexamination			
Charge any additional fee(s) or any underpayment of fee(s)	1804 920° 1804 920° Requesting publication of SIR prior to Examiner action			
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.	1805 1,840* 1805 1,840* Requesting publication of SIR after Examiner action			
	1251 110 2251 55 Extension for reply within first month			
FEE CALCULATION	1252 420 2252 210 Extension for reply within second month			
1. BASIC FILING FEE Large Entity Small Entity	1253 950 2253 475 Extension for reply within third month			
Fee Fee Fee Fee Description Fee Paid	1254 1,480 2254 740 Extension for reply within fourth month			
Code (\$) Code (\$) 1001 770 2001 385 Utility filing fee	1255 2,010 2255 1,005 Extension for reply within fifth month			
1002 340 2002 170 Design filing fee	1401 330 2401 165 Notice of Appeal			
1003 530 2003 265 Plant filing fee	1402 330 2402 165 Filing a brief in support of an appeal			
1004 770 2004 385 Reissue filing fee	1403 290 2403 145 Request for oral hearing			
1005 160 2005 80 Provisional filing fee	1451 1,510 1451 1,510 Petition to institute a public use proceeding			
SUBTOTAL (1) (\$) 0.00	1452 110 2452 55 Petition to revive - unavoidable			
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1453 1,330 2453 665 Petition to revive - unintentional			
Fee from	1501 1,550 2501 665 Office lee (of reissue)			
Extra Claims below Fee Paid Total Claims -20** = 27 x 9 = 243	il i ——————————————————————————————————			
Independent 2 v 43 86	1503 640 2503 320 Plant issue fee			
Claims -3" = 2	1 1460 130 1460 130 Petitions to the Commissioner			
Large Entity Small Entity	1 1807 50 1807 50 Processing fee under 37 CFR 1.17(q)			
Fee Fee Fee Fee Description	1806 180 1806 180 Submission of Information Disclosure Stmt			
Code (\$) Code (\$)	8021 40 8021 40 Recording each patent assignment per property (times number of properties)			
1202 18 2202 9 Claims in excess of 20 1201 86 2201 43 Independent claims in excess of 3	1809 770 2809 385 Filing a submission after final rejection (37 CFR 1.129(a))			
1203 290 2203 145 Multiple dependent claim, if not paid	1810 770 2810 385 For each additional invention to be examined (37 CFR 1.129(b))			
1204 86 2204 43 ** Reissue independent claims over original patent	1801 770 2801 385 Request for Continued Examination (RCE)			
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1802 900 1802 900 Request for expedited examination of a design application			
SUBTOTAL (2) (\$) 32900	Other fee (specify)			
*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 0.00				

(Complete (if applicable)) SUBMITTED BY Registration No. Telephone 617-526-6025 48,584 Name (Print/Type) Daniel P. Gaudet (Attorney/Agent) 4/29/2004 Daniel P Dandet Signature

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